

## 7.

New Species of British Guiana Heterocera.<sup>1</sup>

W. SCHAUS

*United States National Museum,  
Washington, D. C.*

## INTRODUCTION.

During the eight years of occupancy, by the Department of Tropical Research, of the New York Zoological Society's Station at Kartabo, British Guiana, extensive collections of insects were made. These were all taken in the quarter-mile area under intensive study—what may be called the Guiana Jungle-zone. The first collection of Lepidoptera was reported on by Dr. H. G. Dyer, in *Zoologica*, Vol. I, No. 4, 1909, pp. 125-138, where 5 new genera and 24 new species were described.

Dr. W. Schaus has recently examined other Kartabo collections and has written the following paper, with descriptions of 14 new species of Heterocera. The types are all deposited in the collection of the United States National Museum at Washington, D. C.—*William Beebe*.

New species described in this paper are the following:

Noctuidae: *Pseudbarydia elipha*, *Argidia alonia*, *Argidia azania*.

Lasiocampidae: *Euglyphis marbodia*, *Tolype loisa*.

Saturniidae: *Hylesia derica*.

Dalceridae: *Ca restricta*.

Limacodidae: *Venadicadia cetiona*.

Geometridae: *Macaria barticaria*, *Microgonia hildonia*, *Dithadama ? domarita*.

Lithosiinae: *Leucotmenis kaieturo*, *Prepiella deicoluria*.

Hepialidae: *Phassus guianensis*.

## NOCTUIDAE.

***Pseudbarydia elipha* sp. nov.**

Female: Palpi grayish-white above, black underneath; head white; collar dark gray; thorax grayish-white; abdomen above citrine drab with grayish-white segmental lines faintly indicated toward angle segment, underneath whitish with darker lines. Fore wing: some whitish-gray mottling at base of inner margin; antemedial line black, wavyly inbent from costa, and excurved on inner margin; medial space dark olive buff limited by a black and white lunular line, almost vertical from costa; a postmedial black line inbent on costa then outbent, lunular, and incurved beyond cell to inner margin, inwardly edged with white; the space toward costa has the lunular line double, also edged with white and containing some small brown spots; a curved double black line on discocellular; terminal space brownish-olive with some white scaling subterminally above inner margin; apex brown

<sup>1</sup> Contribution No. 592, Department of Tropical Research, New York Zoological Society.

edged below with broad black scaling and an incurved series of thick black spots; termen with a double black line alternately broken on interspaces; cilia whitish. Hind wing glossy deep colonial buff with purplish-brown suffusions along inner margin; a short black streak across end of cell; a dark brown subterminal fascia widest at costa and diminishing to anal angle; termen with small white spots and white cilia. Wings below purplish-gray, the veins finely darker; short dark streaks at end of cells; a subterminal fuscous fascia crossed by black streaks; termen pinkish-gray with a terminal wavy black line.

Expanse: 55 mm.

Habitat: Kartabo, British Guiana.

Type: Cat. No. 34737, U. S. N. M.

### *Argidia alonia* sp. nov.

Male: Palpus and throat coral red, the palpi inwardly white; head and collar dull gray, the latter with a black medial line; thorax mostly dull purplish with black lines; abdomen dorsally vinaceous fawn, laterally and underneath pale rhodonite pink. Fore wing vinaceous fawn, the base of costa darkly shaded, the base of inner margin paler, both limited by an antemedial dentate black and white line followed by a bluish-gray, black-edged round spot; a medial short black line across costal margin; at end of cell a broken, finely edged black, round spot, containing some bluish-green scales which are continued to a larger more outward spot somewhat kidney-shaped, bluish-violet edged by a fine white line; costal edge to apex yellowish, interrupted postmedially by some black scales, below it a fine white-edged black line straight from vein to inner margin, termen partly avelaneous with a series from apex of small white lunular spots. Hind wing dull purplish-lilac, the costal margin pale bluish-white; below end of cell an irregular black-edged spot containing white scales and four black points; a medial series of small black and white lunular and similar postmedial spots on interspaces; along termen bluish-white spots, the cilia black. Wings below cream buff, the markings fine, dark brown. Fore wing: a point in cell, a faint inangled medial line, an incurved line on discocellular; an incurved postmedial line fine and pinkish to end of cell, then darker and inbent to inner margin; from it above vein 6 a line to termen, the latter Hay's lilac with fine dark edges. Hind wing: a faint antemedial line and a more intense postmedial straight line, the termen as on fore wing.

The species is near *Argidia hilaris* Walker.

Expanse: 43 mm.

Habitat: Kartabo, British Guiana.

Type: Cat. No. 34738, U. S. N. M.

### *Argidia azania* sp. nov.

Female: Palpus black with some grayish scales at tip; head buckthorn brown; thorax wood brown, the patagia with tufts of cinnamon hairs; abdomen dorsally at base dark olive buff, becoming cinnamon buff at anal segment; a lateral black line; underneath, dull tawny olive; hind tibiae with white spots.

Fore wing: basal half yellow ocher with pinkish suffusions; an antemedial lunular line followed in cell by a small round white spot circled with a black line; two smaller similar spots medially at end of cell and well separated; a broad vinaceous rufous fascia postmedially from costa at apex to inner margin, crossed by a fine black and white line, excurved below costa, then inbent, straight to inner margin followed by a subterminal series of small black spots preceded by white scales above inner margin; a terminal

fine black line partly cut by veins; cilia red. Hind wing dull purplish-ocher at base; a white point in cell; a narrow fascia, vinaceous rufous medially, limited by a straight black and white line, followed by clusters of black and white scales, then by an irregular series of small black spots; termen dull red. The veins with long black lines. Fore wing below cinnamon, somewhat darker on termen; a black point in cell and a small black and white spot on discocellular; a fine postmedial black line outwardly edged with white; costal edge dark purplish; a terminal black line. Hind wing below slightly paler, the inner margin grayish; a fine white and black line on discocellular and a fine dark medial line.

Expanse: 62 mm.

Habitat: Kartabo, British Guiana.

Type: Cat. No. 34750, U. S. N. M.; Department of Tropical Research No. 2084.

#### LASIOCAMPIDAE.

##### *Euglyphis marbodia* sp. nov.

Female: Head wood brown, also the thorax; abdomen above light cinnamon drab with dark transverse lines edged with gray and silver scales, underneath cinnamon drab. Fore wing grayish-pink; a black line above inner margin connected with a fine black outcurved medial line touching a dentate black spot at end of cell; an outangled fine black postmedial line inbent to spot at end of cell, then somewhat wavy to inner margin; a subterminal dark line outcurved from costa, then sinuous to inner margin, inwardly bordered with the ground color; termen wood brown. Hind wing mostly wood brown; a medial wavy black line, outwardly edged with white at costa; a fine wavy subterminal black line; termen narrowly wood brown. Underside of wings buffy brown without any markings.

Expanse: 60 mm.

Habitat: Kartabo, British Guiana.

Type: Cat. No. 34739, U. S. N. M.

##### *Tolype loisa* sp. nov.

Male: Antennae light vinaceous fawn. Head, collar and thorax white, the patagia with pinkish-white hairs. Abdomen above pinkish-white with grayish mottling, underneath pallid gray. Fore wing partly bluish-white; costal margin light cinnamon drab slightly paler toward apex; a double fine antemedial line across cell, angled close below cell, the veins crossing the medial space well defined; a fine line across end of cell; a double dark, sinuous, postmedial line followed subterminally by three fuscous spots and a dark spot at tornus; cilia white; the inner margin with some long, fine black and cinnamon hairs. Hind wing very pale vinaceous lilac, the termen faintly darker, the cilia white. Wings underneath whiter, the fore wing with indications of the dark costa and the subterminal spots.

Expanse: 20 mm.

Habitat: Kartabo, British Guiana.

Type: Cat. No. 34740, U. S. N. M.

#### SATURNIIDAE.

##### *Hylesia derica* sp. nov.

Female: Head and thorax chaetura drab. Abdomen above, benzo brown with light brownish-drab transverse lines, underneath chaetura drab. Fore

wing dark purple drab; costa medially pale brownish drab, and a similar transverse fascia, within it a dark streak across end of cell; a similar sub-terminal wavy fascia. Hind wing light vinaceous drab, the veins defined by fine dark lines; indications of a broad postmedial fascia, the termen narrowly dark purple drab. Wings below light purple drab, the hind wing with a broad postmedial fascia cut by fine dark lines on veins.

Expanse: 60 mm.

Habitat: Kartabo, British Guiana.

Type: Cat. No. 34741, U. S. N. M.

#### DALCERIDAE.

##### *Ca restricta* sp. nov.

Male: Antennae silvery olivaceous yellow; palpi yellow; thorax and base of abdomen silvery white. Fore wing pale grayish-vinaceous; costal margin silvery white; faint darker shading at tornus; a black point at end of cell; termen with short black streaks between the veins; cilia and hind wing silvery white; a very faint terminal line; wings below silvery white.

Expanse: 21 mm.

Habitat: Kartabo, British Guiana.

Type: Cat. No. 34742, U. S. N. M.

#### LIMACODIDAE.

##### *Venadicadia cetiona* sp. nov.

Male: Palpi reddish brown; vertex with white scales; collar black; thorax reddish with a pinkish-white lateral line; metathorax with roseate tufts; abdomen above reddish-brown with black segmental lines, underneath silvery white with dark gray segmental lines. Fore wing: costa and two longitudinal veins, also the inner margin, broadly grayish-red; the three interspaces on anterior half of wing dark purple brown, all limited by an outbent pinkish line from costa to termen above vein 2; apex narrowly white, the space below it postmedially with a curved white line from costa and some dark brown shading between the veins; a subterminal series of small black spots on interspaces; termen narrowly reddish, the cilia roseate. Hind wing mostly black with reddish suffusions on interspaces according to light; cilia white or dark also according to light. Fore wing below fuscous brown, the costal edge narrowly pinkish-white, the inner margin broadly white toward outer margin, the termen pinkish on interspaces, the cilia narrowly brownish. Hind wing below dull grayish thickly irrorated with darker scales, the costa with some white shading, the cilia white. All colors variable according to light.

Expanse: 20 mm.

Habitat: Kartabo, British Guiana.

Type: Cat. No. 34743, U. S. N. M.

#### GEOMETRIDAE.

##### *Macaria barticaria* sp. nov.

Male: Antennae dark brown; palpi and frons roseate; vertex gray; collar pale pinkish; thorax white; abdomen white with some black points. Fore wing mostly white irrorated with short black and reddish streaks; paired black streaks on base of costa; a fine black antemedial line, slightly curved, more intense on inner margin; a fine wavy reddish line medially



starting from a red and black streak on costa; a postmedial straight black line outwardly edged with dark violet from costa to anal angle; termen whitish with minute black points, and subterminal dark spots, not reaching apex; a double black terminal line. Hind wing: basal half white with a fine wavy antemedial pinkish line, and a black point beyond cell; outer half of wing light purplish-vinaceous; a terminal black line. Wings underneath white, the markings of upper side more intense, the lines broader, mostly brick red, the termen of hind wing harmonizing with the fore wing.

Expanse: 35 mm.

Habitat: Kartabo, British Guiana.

Type: Cat. No. 34744, U. S. N. M.

***Microgonia hildonia* sp. nov.**

Male: Palpus below roseate; head gray; the thorax pinkish-white; abdomen dorsally with some black scales at base, otherwise pale pinkish-white with fine darker striae and an antemedial fine reddish line followed by a black point; a dark spot on costa at apex, from it a dark angled line continued as a fine reddish line to inner margin postmedially; termen yellowish-white with fine darker streaks and some faint brownish spots subterminally. Hind wing: the costal margin white, the wing otherwise vinaceous with numerous darker streaks; a black point at cell before a reddish antemedial line; some postmedial faint dark spots and striae; a fine, dark, terminal line. Wings below white with scattered dark scales and black points at cells; the termen broadly yellow ocher, not reaching anal angle on hind wing.

Expanse: 30 mm.

Habitat: Kartabo, British Guiana.

Type: Cat. No. 34745, U. S. N. M.

***Dithadama ? domarita* sp. nov.**

Female: Palpi reddish; vertex light gray, thorax gray, laterally black; abdomen above partly roseate with narrow and broad fuscous lines; anal segment grayish-white, underneath the same with fine dark segmental lines. Fore wing largely purplish-gray; costal edge black not reaching apex with a whitish gray streak below it to subterminal line; the basal color crossed by a medial wavy sinuous dark brown line from close below costa to inner margin, followed by a dark shade parallel to it; a subterminal wavy dark brown line from costa slightly outbent, well incurved from vein 3 to inner margin; termen lilacine gray crossed by dark veins with a terminal fine and wavy black line. Hind wing from base to subterminal line of the color of fore wing crossed by a short reddish-brown line near base; a short curved line at cell, the postmedial line a continuation of the subterminal line of fore wing; the terminal black line cut by veins. Wings below iridescent, greenish or purplish with the lines reduced to small points.

Expanse: 22 mm.

Habitat: Kartabo, British Guiana.

Type: Cat. No. 34746, U. S. N. M.

LITHOSIINAE.

***Leucotmenis kaiefura* sp. nov.**

Female: Palpi black above, orange underneath; head black with a lateral fine orange line; abdomen above rather broadly black with a broad lateral

orange line, underneath dark plumbago slate. Fore wing black; a bluish-white streak in cell and a small white streak, somewhat triangular, post-medially. Hind wing with yellow hairs on inner margin, and a small hyaline spot beyond cell, cut by two veins; cilia on both wings dark bluish-gray. Fore wing below with the white streak in cell broader and more distinct.

Expanse: 25 mm.

Habitat: Kaietur, British Guiana.

Type: Cat. No. 34747, U. S. N. M.

***Prepiella deicoloria* sp. nov.**

Female: Head white; thorax roseate gray; the metathorax with a curved white line; abdomen above pale vinaceous pink with traces of fine dark segmental lines. Fore wing: basal third pallid purple drab outwardly edged by a lunular black line with projecting lines based and a black point at base of costa; medial space bittersweet pink; subterminal space pinkish-white limited by an irregular double black line connected by transverse black lines; termen narrowly pink with white cilia. Hind wing white with some pale pinkish suffusions and a few black spots at apex; fore wing below broadly black on basal third of costa; a medial curved pink space, the subterminal curved space black without the irregular lines of the upper side. Hind wing below pinkish-white with a black spot at apex.

Expanse: 21 mm.

Habitat: Kartabo, British Guiana.

Type: Cat. No. 34748, U. S. N. M.

HEPIALIDAE.

***Phassus guianensis* sp. nov.**

Male: Antennae fuscous. Head, collar and patagia vinaceous rufous, the thorax only visible as a black point. Abdomen dorsally etruscan red with narrow darker segmental lines, underneath paler with broader segmental lines. Fore wing with pale purplish-vinaceous stripes on a light cinnamon drab background; costa narrowly fuscous; a pale triangular patch below base of costa limited by a fine, dark inbent line to inner margin; a pale medial space, its base on costa crossed by three wavy, fine reddish lines; the medial dark space to inner margin crossed by black and pinkish lines, the dark veins partly pinkish; the postmedial dark space narrow on costa, cut by white veins, expanding toward inner margin. The black and white line edging the triangular pale space continued to inner margin with some black spots anteriorly, the posterior half with a black and pink line; the apical pale space with subterminal double pale and darker lunules, toward inner margin with irregular pinkish and black lines; termen with short, irregular, spots and lines; cilia dark brown. Hind wing light russet vinaceous, paler on termen. Fore wing below dark at base becoming pinkish-gray on terminal half with a faint medial line and a wavy postmedial line. Hind wing below slightly paler than on upper surface.

Expanse: 55 mm.

Habitat: Kartabo, British Guiana.

Type: Cat. No. 34749, U. S. N. M.